

SPONSORS



EUROPEAN COMMISSION*



EUROPEAN WIND ENERGY ASSOCIATION*



INTERNATIONAL ENERGY AGENCY R&D WIND
(AUTHORITY OF BRINDISI HARBOUR)



DEPT. OF AERONAUTICAL ENGINEERING
(UNIVERSITY FEDERICO II - NAPOLI)



ASSOCIAZIONE NAZIONALE INGEGNERIA DEL VENTO

CRIACIV



APRE

COLLABORATING ORGANIZATIONS

ANEV, DECOS - UNIV. DELLA TUSCIA, EDISON?,
FORTORE ENERGIA?, ISES ITALIA, ITABIA,
KYOTO CLUB, UNIVERSITA DI BOLOGNA,
UNIVERSITA DI ROMA,
RE POWER?,
VESTAS - ITALIA?

SEMINAR INFORMATION

Technical Secretariat:

Dr. Gaetano Gaudiosi - OWEMES
Phone / Fax : +39 06 45426060
E-mail: gaudiosi@owemes.org
or gaetanogaudiosi@hotmail.com

Mrs.- ENEA Casaccia
Phone/ Fax +39 06 3048 4138 / 6486
E-mail: technical.secretariat@owemes.org
or@casaccia.enea.it

Organising Secretariat:
OWEMES Association
secretariat@owemes.org

* participation to be confirmed

GENERAL INFORMATION

Seminar - The seminar will take place at the Conference Centre of Brindisi in May 2009 from Thursday 21 to Saturday 23 morning.

Organisers - The seminar is organized by OWEMES Association, ATENA and ENEA.

Organising Committee - The organising Committee has been appointed in March 2008 with members of the above organisations and Bologna, Rome Universities ANIV, CRIACIV, ISES Italia, and promoters BlueH, Effeventi, Tozzi Tre, Trevisani

Technical Committee - The Technical Committee will be appointed in June 2008 with members of Italian and other international organisations (EWEA, IEA Wind R&D, IEAOcean,...).

OWEMES Association, the Italian organization for Marine Renewable Energies in the Mediterranean and European Seas, is responsible of the scientific organisation of the seminar.

Languages - Simultaneous translation will be provided in English and Italian.

Exhibition - The Exhibition of marine renewable energy material, an additional part of the event, open to industries and R&D organizations, will be held on Thursday 21st, Friday 22nd and Saturday May 23rd, at the conference hall.

Offshore picture competition "Sea Breeze" - An art competition for offshore wind and other marine renewable energies will be organized at OWEMES 2009 in collaboration with interested bodies.

Prizes will be awarded to the first ten photos, exhibited in A4 format during the Seminar.

Registration Fee - The registration fee is 450 EURO before 28 February 2009 and 500 EURO after that date: student fee 50% discount (document required)

The fee covers: attendance at all sessions, refreshments and lunches for the seminar days, a copy of the Proceedings, transport by special bus from/to Brindisi Airport and hotels, participation to social events (Social Banquet excluded).

OWEMES 2009 Final Programme will be mailed within 15 January 2009.

INFORMATION FOR AUTHORS

Authors should submit an abstract of their paper in English before 25 September 2008. Abstracts received afterwards may not be accepted.

The abstracts should contain: 1) Topic letter and heading/subheading numbers (as given in the programme); 2) Titles; 3) Name of the author(s), affiliation, full address, telephone and Fax number, e-mail; 4) Purpose of the work; 5) Method of approach; 6) Significant results.

The complete abstract must occupy no more than two A4 sheets; additional information can be given separately.

Specific technical problems will be covered by the dedicated Poster session in addition to the planned five Oral sessions.

The Technical Committee reserves the right to accept or reject the proposed papers.

Authors will be notified of the Technical Committee decision within 30 November 2008.

The final version of the selected papers should be no more than 15 pages (tables, and graphs included) and must be sent to Technical Secretariat before 30 March 2009, otherwise it will be not included in the Proceedings distributed at Seminar Registration.

Please send the abstract by e-mail to Technical Secretariat:

Dr. Gaetano Gaudiosi
OWEMES - Via Antonio Serra 62, 00191 Roma, Italy
Phone/Fax: +39 06 45426060
E-mail: gaudiosi@owemes.org
or gaetanogaudiosi@hotmail.com

Mrs. ???
ENEA Casaccia, Via Anguillarese 301
00061 S. Maria di Galeria (Roma) - Italy
Phone: +39 06 3048 4138; Fax +39 06 3048 6486
E-mail: technical.secretariat@owemes.org
or@casaccia.enea.it

DEADLINES

Abstract presentation: 25 September 2008
Paper acceptance communication: 30 November 2008
Full Text paper presentation: 30 March 2009

A specific web page is available at the site:
<http://www.owemes.org>

OWEMES
Association

ENEA
ENTE PER LE NUOVE TECNOLOGIE,
L'ENERGIA E L'AMBIENTE

ATENA
ASSOCIAZIONE ITALIANA
DI TECNICA NAVALE

European Seminar

OFFSHORE WIND AND OTHER MARINE RENEWABLE ENERGIES IN MEDITERRANEAN AND EUROPEAN SEAS



Resources, Technology and Applications

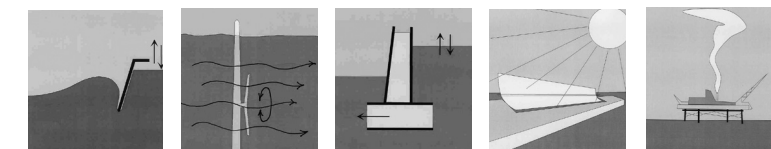
*Wind, Waves,
Current, Solar,
Thermal and Salinity
gradients, Biomass,
Geothermal.*

Marine Renewable Energy Platforms

OWEMES 2009

Brindisi
Italy
May, 21-23, 2009

**First Announcement
and Call for Papers**



Abstract Deadline
25 September 2008

The 2007 committed EU's objectives on climate change require 20% reduction of greenhouse gases compared to 1990 levels and a mandatory target of 20% renewable energy by 2020 compared to present 8.5%

Onshore renewable energies can offer a good percentage of such contribution, that could be significantly increased by marine (Offshore) renewable energies.

Some of them are under good technological development (wind, wave, current, tides, thermal gradients, solar); for the other ones (biomass, geothermal, salinity gradients, methane hydrates) estimates are under way.

To be on line with the 2020 renewable energy targets the present 3.5 % wind energy share of electricity in EU should be about 30% , level that could be obtained using offshore wind and other marine renewable energies.

In the last fifteen years the capacity of grid connected offshore wind plants has reached about 1.000 MW, all in North European shallow waters, where additional GW are close to or proposed for installation. The large offshore wind potential in deep water and its low visual impact is mounting as the future wind energy option.

On offshore sites, generally with higher wind, wave regimes, less human use limitations and higher installation and maintenance costs, the economy of marine electricity could progress rapidly. In the coming years it will reach competitiveness with the onshore renewable energies, particularly by large size unit and power plants even in highly deep waters.. The technology of the offshore wind turbine is evolving rapidly for seabed-based foundations.

Offshore wind turbines on floating or tension leg platforms are in accelerated phase of design with promising kWh cost reduction . The first Tension Leg Prototype is under test in the Italian deep waters.

Marine Renewable Energy Platforms (MAREPs), could be assumed as integrated system of all marine renewable energies (Wind, wave, sea current, solar photovoltaic, ...) emerging for a medium/long term potential of cost reduction and resource increase in the field of electricity and hydrogen generation.

OWEMES 2009 is the Sixth edition of the European Seminar in Italy: the first edition was held in Rome (1994), the second one at La Maddalena (1997), the third one in Syracuse (2000), the fourth one in Naples(2003) , the fifth one in Civitavecchia (Rome-2006) with a participation of qualified experts of Laboratories, Universities, Industries, Promoters from all over Europe, USA and some other countries.

Previous editions up to OWEMES 2003 have been mainly focused on offshore wind energy, both OWEMES 2006 and now OWEMES 2009 are including all marine renewable energies: the fast growing offshore wind, the emerging ones such as wave, currents, tides and new ones as Salinity gradients, marine geothermal, biomass.

The goal of the seminar is to make a specific and up-to-date review of ongoing activities and programmes in order to exchange information and promote co-operation among European, Mediterranean and other world countries in the promising field of marine renewable energy applications.

May 2008

Gaetano Gaudiosi

OWEMES 2009 Seminar Chairman

European Seminar

OFFSHORE WIND AND OTHER MARINE RENEWABLE ENERGIES IN MEDITERRANEAN AND EUROPEAN SEAS

21-23 May 2009 - Brindisi(Apulia Region) - Italy

Programme

*The two and half days programme comprises:
Five sessions with oral presentation and One poster session*

Offers of papers

Papers are welcome on the following topics

MARINE RENEWABLE ENERGIES:

Topics:

- A) Wind; B) Waves; C) Current; D) Tides;
E) Solar; F) Thermal and Salinity Gradients;
G) Biomass; H) Geothermal.**

Headings, Subheadings:

1. MARINE RESOURCES ASSESSMENT, SITING

- a) Characteristics; b) Resources; c) Maps, databases;
d) Siting tools.

2. DESIGN AND TESTING CRITERIA, TECHNICAL DEVELOPMENT

- a) Foundations; b) Mooring; c) Support structures;
d) Aero-elasticity; e) Dynamics; f) Material;
g) Corrosion and fatigue; h) Mechanical and electric components;
i) Remote control systems;
l) Electric power transmission; m) Construction, installation and decommissioning methods;
n) Maintenance procedures; o) Offshore access ways;
p) Design & testing recommendations;
q) Failure analysis and safety; r) Standards, quality assurance.

3. PROTOTYPES AND APPLICATIONS

- a) Unit configurations, prototypes; b) Offshore plant optimisation; c) Marine applications (harbours, buoys, platforms, ...).

4. PLANNING, ECONOMICS

- a) Projects; b) Planning methods; c) Implementing aspects and constraints; d) National and international activities; e) Utility plans; f) Industrial strategies; g) Cost analysis; h) Financing; i) Insurance.

5. ENVIRONMENT, LEGAL ISSUES

- a) Local and global environmental issues; b) Specific environmental studies; c) Safety guidelines; d) Social acceptance; e) National, International legislations.

POTENTIAL AUDIENCE

- Equipment Manufacturers and Suppliers;
- Engineering Companies, Consultants/Promoters;
- National Research Centres and University Labs.;
- National, Regional, and local Authorities and Policy Makers;
- International Authorities, Associations;
- Financial Companies, Investment Banks, Insurance Companies.

**European Seminar OWEMES 2006
21-23 MAY 2009 - Brindisi (Apulia Region) - Italy**

PROVISIONAL REGISTRATION FORM

Please Type or use block letters and mail or Fax copy to Organizing Secretariat:

OWEMES Association,
Via Antonio Serra 62 , 00191 Roma - Italy
Phone: +39 06 45426060
Fax: +39 06 45426060
E-mail: gaudiosi@owemes.org

or
ENEA Casaccia, Via Anguillarese 301 ?
00061 S. Maria di Galeria (Roma) - Italy
Phone:+39 06 3048 4138 Fax :+39 06 3048 6486
E-mail: technical.secretariat@owemes.it?
or@casaccia.enea.it ?

Surname.....
Name
Title/ Position
Company/Organization.....
Address.....
Postal code and town.....
Country.....
Telephone
Fax
E-mail

Please send further details when available.
My likelihood of attending the Seminar is:
25 % 50 % 75 % 100 % (please tick)
I intend to submit an abstract before the deadline of 30 September 2008
on topic number..... heading.....

Signature..... Date.....

The registration fee is 450 Euro before 28 February 2009 and 500 Euro after that date; Student fee 50% discount (document required).

The fee covers: attendance to all sessions, refreshments and lunches for the seminar days (May 23 excluded), a copy of Proceedings, courtesy transport from Brindisi Airport to/ From hotels and social events (social banquet excluded).